# JavaScript – Advanced Techniques

Course code: INTJS2

The course is intended for everyone who knows the basics of the JavaScript programming language, does not want to discuss the basics such as writing conditions or loops, but wants to quickly learn the important specifics of the language at the ES5 specification level so that they can continue with other courses such as JS_ES6, JS_NEXT, JS_WS, etc. The INTJS course is intended for beginners, while INTJS2 is for moderately experienced developers. There is no continuity between the courses, on the contrary, there is a partial overlap and the target group differs.

| Affiliate | Duration | Course price | ITB |
|---|---|---|---|
| Praha | 2 | 7 600 Kč | 20 |
| Brno | 2 | 7 000 Kč | 20 |
| Bratislava | 2 | 330 € | 20 |

The prices are without VAT.

## Course terms

| Date | Duration | Course price | Type | Course language | Location |
|---|---|---|---|---|---|
| 13.01.2025 | 2 | 7 600 Kč | Presence | CZ/SK | GOPAS Praha |
| 27.02.2025 | 2 | 330 € | Online | CZ/SK | GOPAS Bratislava online |
| 23.04.2025 | 2 | 330 € | Presence | CZ/SK | GOPAS Bratislava prezenčne |
| 26.05.2025 | 2 | 7 600 Kč | Presence | CZ/SK | GOPAS Praha |
| 12.06.2025 | 2 | 330 € | Online | CZ/SK | GOPAS Bratislava online |

The prices are without VAT.

The course is intended for everyone who knows the basics of the JavaScript programming language, does not want to discuss the basics such as writing conditions or loops, but wants to quickly learn the important specifics of the language at the ES5 specification level so that they can continue with other courses such as JS_ES6, JS_NEXT, JS_WS, etc. The INTJS course is intended for beginners, while INTJS2 is for moderately experienced developers. There is no continuity between the courses, on the contrary, there is a partial overlap and the target group differs.

## What we will teach you
- Supplementing basic knowledge
- Basics of JavaScript as a functional language (Anonymous function, Closure, Self-Invoke function)
- Basics of object programming (object initializer, Constructor Function)
- Work with DOM events

## Required entry skills
- Basic knowledge of HTML and CSS is assumed
- Basic knowledge of programming in any language or course level experience [PRG] is assumed

## Teaching methods
- Expert interpretation with practical examples, exercises on computers.

## Studying materials
- Online presentation of discussed material and exercises.

## Course outline
A brief recap of basic JavaScript topics

- Defer and Async attributes
- Strict mode
- More advanced use of operators

JavaScript as a functional language
- Functions as an object
- Function overloading
- Function arguments
- Self-Invoked function
- Closures

Object programming
- Object initializer
- Design function
- Prototype

Events
- Classic approach
- Standard access
- Canceling the default event
- Event bubbling